REFERENCES

- Abbaspour, M.R., Sadeghi, F., Garekani, H.A., Thermal treating as a tool to produce plastic pellets based on Eudragit® RS PO and RL PO aimed for tableting. Eur. J. Pharm. Biopharm. 67 (1), 260-267, 2007.
- Akbari B.V., Dholakiya R.B., Shiyani B.G., Lodhiya D.J. Design, development and characterization of mouth dissolving tablets of cinnarizine using super-disintegrants. International journal of pharmtech research . Vol.2, no.1, pp 97-105 Jan-Mar 2010.
- Aulton, M.E., Assessment of the mechanical properties of film coating materials, 1982.
- Aulton, M.E.,Khan, K.A., The strength and compaction of millispheres. The design of a controlled-release drug delivery system for ibuprofen in the form of a tablet comprising compacted polymer-coated millispheres. Drug Dev. Ind. Pharm., 20, 3069-3104, 1994.
- Bechgaard H., Nielsen G.H. Controlled-Release Multiple-Units and Single-Unit Doses a Literature Review. Drug Development and Industrial Pharmacy 4, 53 – 67, 1978.
- Beckert, T.E., Lehmann, K., Schmidt, P.C., Compression of enteric-coated pellets to disintegrating tablets. Int. J. Pharm., 143, 13-23, 1996.
- Beckert, T.E., Lehmann, K., Schmidt, P.C., Compression of enteric-coated pellets to disintegrating tablets: uniformity of dosage units, Powder Technol. 96(3), 248–254, 1998.
- Berggren, J., Alderborn, G., Effect of drying rate on porosity and tabletting behaviour of cellulose pellets, International Journal of Pharmaceutics, 227 (1-2), 81-96,2001.
- Bhattacharjya S., Wurster D. Investigation of the Drug Release and Surface Morphological Properties of Film-Coated Pellets, and Physical, Thermal and Mechanical Properties of Free Films as a Function of Various Curing Conditions. AAPS PharmSciTech 9, 449-457,2008.
- Bodmeier R. Effect of Curing on Drug Release and Morphological Properties of Ethylcellulose Pseudolatex-Coated Beads. Drug Dev. and Ind. Pharm. 20, 1517 – 33. 1994.

- Bodmeier, R., Tableting of coated pellets, Eur. J. Pharm. Biopharm. 43(1), 1-8. 1997.
- Bodmeier, R., Tableting of pellets. European Journal of Pharmaceutics and Biopharmaceutics . 1997.
- Bodmeier, R., Guo, X., Paeratakul, O., Process and formulation factors affecting the drug release from pellets coated with the ethylcellulose-pseudolatex Aquacoat. In: McGinity, J.W. (Ed.), Aqueous polymeric coatings for pharmaceutical dosage forms. Marcel Dekker, New York, pp. 55-80. 1997.
- Bodmeier, R., Paeratakul, O., Leaching of water-soluble plasticizers from polymeric films prepared from aqueous colloidal polymer dispersions. Drug Development and Industrial Pharmacy 18, 1865 - 1882. 1992.
- Bodmeier, R., Paeratakul, O., Dry and wet strengths of polymeric films prepared from an aqueous colloidal polymer dispersion, Eudragit RS30D. International Journal of Pharmaceutics 96, 129-138. 1993.
- Bodmeier, R., Paeratakul, O., Mechanical properties of dry and wet cellulosic and acrylic films prepared from aqueous colloidal polymer dispersions used in the coating of solid dosage forms. Pharm. Res. 11(6), 882-888. 1994.
- Bodmeier, R., Paeratakul, O., The distribution of plasticizers between aqueous and polymer phases in aqueous colloidal polymer dispersions. International Journal of Pharmaceutics 103, 47-54. 1994.
- Bodmeier, R., Paeratakul, O., The Effect of Curing on Drug Release and Morphological Properties of Ethylcellulose Pseudolatex-Coated Beads. Drug Development and Industrial Pharmacy 20, 1517 - 1533. 1994.

- Bodmeier, R., Paeratakul, O., Mechanical properties of dry and wet cellulosic and acrylic films prepared from aqueous colloidal polymer dispersions used in the coating of solid dosage forms. Pharm. Res. 11(6), 882-888. 1994.

- Bodmeier, R., Paeratakul, O., The distribution of plasticizers between aqueous and polymer

phases in aqueous colloidal polymer dispersions. Int. J. Pharm. 103(1), 47-54. 1994

- Bodmeier, R., Paeratakul, O., Plasticizer uptake by aqueous colloidal polymer dispersions used for the coating of solid dosage forms. International Journal of Pharmaceutics 152, 17-26. 1997.
- Christensen, F.N., Bertelsen, P., Qualitative Description of the Wurster-Based Fluid-Bed Coating Process. Drug Development and Industrial Pharmacy 23, 451-463. 2008.
- Dashevsky, A., Ahmed, A.R., Mota, J., Irfan, M., Kolter, K., Bodmeier, R.A., Effect of water-soluble polymers on the physical stability of aqueous polymeric dispersions and their implications on the drug release from coated pellets. Drug Development and Industrial Pharmacy 36, 152-160. 2010.
- Dashevsky, A., Kolter, K., Bodmeier, R., Compression of pellets coated with various aqueous polymer dispersions. Int. J. Pharm. 279 (1-2), 19-26. 2004.
- Dashevsky, A., Wagner, K., Kolter, K., Bodmeier, R., Physicochemical and release properties of pellets coated with Kollicoat® SR 30 D, a new aqueous polyvinyl acetate dispersion for extended release. Int. J. Pharm. 290 (1-2), 15-23. 2005.
- Development and industrial scale-up of tablets containing modified-release pellets. Pharm. Tech. Eur., 6, 19-22, 24-25.
- El-Mahdi, I.M. and Deasy, P.B., Tableting of coated ketoprofen pellets. J. Microencapsulation, 17, 133-144. 2000.
- Flament, M.P., Leterme, P., Gayot, A., Gendrot, E., Bruna, E., Cousin, G., 1994.
- Haltner E. Stability testing as part of the development and approval of pharmaceutical and cosmetic products. Preformulation screening and stability testing. Across Barriers GmbH, Science Park 1. May 2004.
- Hamed, E., Sakr, A., 2003. Effect of Curing Conditions and Plasticizer Level on the Release of Highly Lipophilic Drug from Coated Multiparticulate Drug Delivery System.

Pharmaceutical Development and Technology 8, 397-407.

- Harwood R.J., Johnson J.L. Croscarmelose sodium, sodium starch glycolate, l-hpc, microcrystalline cellulose and magnesium stearate. Hand book of pharmaceutical excipients.
- Haslam, J.L., Forbes, A.E., Rork, G.S., Pipkin, T.L., Slade, D.A., Khossravi, D., 1998.
- http://en.wikipedia.org/wiki/Galantamine
- http://eudragit.evonik.com/product/eudragit/en/products-services/eudragit-products/sustained-release-formulations/ne-30-d/pages/default.aspx
- http://www.drugbank.ca/drugs/DB00674
- Iloañusi, N.O. and Schwartz. The effect of wax on compaction of microcrystalline cellulose beads made by extrusion and spheronization. Drug Dev. Ind. Pharm., 24, 37-44. 1998.
- Jijun Fu, Wang Xiaoli, Xu Lishuang, Meng Jia, Weng Yan, Li Guofei, He Haibing, Tang Xing. Preparation and in vitro–in vivo evaluation of double layer coated and matrix sustained release pellet formulations of diclofenac potassium. International Journal of Pharmaceutics 406 84–90, (2011).
- Johansson, B. and Alderborn, G., Degree of pellet deformation during compaction and its relationship to the tensile strength of tablets formed of microcrystalline cellulose pellets. Int. J. Pharm., 132, 207-220. 1996.
- Johansson, B. and Alderborn, G., The effect of shape and porosity on the compression behaviour and tablet forming ability of granular materials formed from microcrystalline cellulose. Eur. J. Pharm. Biopharm., 52, 347-357. 2001.
- Johansson, B., Tabletting behaviour of aggregates – mechanistical conception and modulation by variations in aggregate physical properties. Ph.D. Thesis, Uppsala University, Sweden. 1999.
- Johansson, B., Nicklasson, F., Alderborn, G., Effect of pellet size on degree of deformation

and densification during compression and on compactability of microcrystalline cellulose pellets. Int. J. Pharm., 163, 35-48. 1998.

- Johansson, B., Wikberg, M., Ek, R., Alderborn, G., Compression behaviour and compactability of microcrystalline cellulose pellets in relationship to their pore structure and mechanical properties. Int. J. Pharm., 117, 57-73. 1995.
- Juslin, M., Turakka, L., Puumalainen, P., Controlled release tablets. Part 1: The use of pellets coated with a retarding acrylate plastic in tabletting. Pharm. Ind., 42, 829-832, 1980.
- Kalia Anupama, Khurana Shelly, Bedi Neena. Formulation and evaluation of mouth dissolving tablets of oxcarbazepine. International journal of pharmacy and pharmaceutical sciences, vol. 1, suppl 1, nov.-dec. 2009.
- Kranz, H., Gutsche, S., Evaluation of the drug release patterns and long term stability of aqueous and organic coated pellets by using blends of enteric and gastrointestinal insoluble polymers. International Journal of Pharmaceutics 380, 112-119, 2009.
- Lecomte, F., Siepmann, J., Walther, M., MacRae, R.J., Bodmeier, R., 2005. pH-Sensitive Polymer Blends used as Coating Materials to Control Drug Release from Spherical Beads:
- Lehmann, K., Coating of multiparticulates using organic solutions - Formulation andprocess considerations. In: Ghebre-Sellassie, I. (Ed.), Multiparticulate drug delivery. Marcel Dekker, New York, pp. 51-78, 1994.
- Lehmann, K., Petereit, H.-U., Dreher, D., Schnellzerfallende Tabletten mit gesteuerter Wirkstoffabgabe. Pharm. Ind., 55, 940-947, 1993.
- Liu, J., Williams III, R.O., Properties of heat-humidity cured cellulose acetate phthalate free films. Eur. J. Pharm. Sci. 17(1-2), 31-41, 2002.
- Lundqvist, Å.E.K., Podczeck, F. and Newton, J.M., Influence of disintegrant type and proportion on the properties of tablets produced from mixtures of pellets. Int. J. Pharm., 147, 95-107, 1997.
- Lundqvist, Å.E.K., Podczeck, F. and Newton, J.M., Compaction of, and drug release from,

coated drug pellets mixed with other pellets. Eur. J. Pharm. Biopharm., 46, 369-379, 1998.

- Manufacturing of tablets containing microcapsules. Chem. Pharm. Bull., 38, 752- 756, 2004.
- Martin Körber , Mesut Ciper , Valerie Hoffart , Nantharat Pearnchob , Mathias Walther, Ross J. Macrae , Roland Bodmeier. Enteric polymers as acidifiers for the pH-independent sustained delivery of a weakly basic drug salt from coated pellets. European Journal of Pharmaceutics and Biopharmaceutics 78 447–454, 2011.
- Millili, G.P. and Schwartz, J.B.,. The strength of microcrystalline cellulose pellets: effect of granulating with water/ethanol mixtures. Drug Dev. Ind. Pharm., 16, 1411-1426. 1990
- Muschert, S., Polymeric coatings for solid dosage forms: characterization and optimization. Universite de Lille II, Lille, 2008.
- Muschert, S., Siepmann, F., Cuppok, Y., Leclercq, B., Carlin, B., Siepmann, J., a. Improved long term stability of aqueous ethylcellulose film coatings: Importance of the type of drug and starter core. International Journal of Pharmaceutics 368, 138-145, 2009.
- Muschert, S., Siepmann, F., Leclercq, B., Carlin, B., Siepmann, J., Drug release mechanisms from ethylcellulose: PVA-PEG graft copolymer-coated pellets. European Journal of Pharmaceutics and Biopharmaceutics 72, 130-137, 2009.
- Muschert, S., Siepmann, F., Leclercq, B., Carlin, B., Siepmann, J., Prediction of drug release from ethylcellulose coated pellets. Journal of Controlled Release 135, 71-79, 2009.
- Nicklasson, F. and Alderborn, G., Modulation of the tabletting behaviour of microcrystalline cellulose pellets by the incorporation of polyethylene glycol. Eur. J. Pharm. Sci., 9, 57-65, 1999.
- Nicklasson, F. and Alderborn, G., Analysis of the mechanics of pharmaceutical agglomerates of different porosity and composition using the Adams and Kawakita equations. Pharm. Res., 17, 947-952, 2000.
- Nicklasson, F., Compression mechanics of pharmaceutical aggregates – studies on the

tabletting of spheronised aggregates with varying composition and porosity. Ph.D. Thesis, Uppsala University, Sweden, 2000.

- Nicklasson, F., Alderborn, G., Modulation of the tabletting behaviour of microcrystalline cellulose pellets by the incorporation of polyethylene glycol. Eur. J. Pharm. Sci. 9(1), 57-65, 1999.
- Parikh, N.H., Porter, S.C., Rohera, B.D., Tensile Properties of Free Films Cast from Aqueous Ethylcellulose Dispersions. Pharmaceutical Research 10, 810-815, 1993.
- Ragnarsson, G., Sandberg, A., Jonsson, U.E., Sjögren, J., Development of a new controlled release metoprolol product. Drug Dev. Ind. Pharm., 13, 1495-1509, 1987.
- Raymond, R.M., Ray, K.S., Acrylic latex film formation in the critical temperature range. Journal of Applied Polymer Science 8, 755-764, 1964.
- Salako, M., Podczeck, F., Newton, J.M. Investigations into the deformability and tensile strength of pellets. Int. J. Pharm. 168, 49-57, 1998.
- Sawicki, W., Łunio, R., Compressibility of floating pellets with verapamil hydrochloride coated with dispersion Kollicoat SR 30 D. Eur. J. Pharm. Biopharm. 60 (1), 153-158, 2005.
- Sawicki, W., Mazgalski, J., Hot tableting as a new method for obtaining tablets from slow release-coated pellets. Drug Dev. Ind. Pharm. 35(7):857-865, 2009.
- Schmid, S., Müller-Goymann, C.C., Interactions during aqueous film coating of ibuprofen with Aquacoat ECD. International Journal of Pharmaceutics 197, 35-39, 2000.
- Schmid, W., Picker-Freyer, Tableting and tablet properties of alginates: characterisation and potential for Soft Tableting. Eur. J. Pharm. Biopharm. 72(1). 165-172, 2009.
- Siepmann, F., Hoffmann, A., Leclercq, B., Carlin, B., Siepmann, J., How to adjust desired drug release patterns from ethylcellulose-coated dosage forms. Journal of Controlled Release 119, 182-189, 2007.
- Siepmann, F., Muschert, S., Carlin, B., Siepmann, J., How to improve the storage stability

of aqueous polymeric film coatings. Journal of Controlled Release 126, 26-33, 2008.

- Siepmann, F., Siepmann, J., Walther , Bodmeier, R., Aqueous HPMCAS coatings: Effects of formulation and processing parameters on drug release and mass transport mechanisms. European Journal of Pharmaceutics and Biopharmaceutics 63, 262-269, 2006.
- Siepmann, F., Siepmann, J., Walther, M., MacRae, R.J., Bodmeier, R., Blends of aqueous polymer dispersions used for pellet coating: Importance of the particle size. Journal of Controlled Release 105, 226-239. 2005.
- Siepmann, J., Paeratakul, O., Bodmeier, R., 1998. Modeling plasticizer uptake in aqueous polymer dispersions. International Journal of Pharmaceutics 165, 191-200.
- Siepmann, J., Streubel. Understanding and Predicting Drug Delivery from Hydrophilic Matrix Tablets Using the "Sequential Layer" Model. Pharm. Res. 19(3), 306-314. 2002.
- Tableting of controlled release multiparticulates, the effect of millisphere size and protective overcoating. Int. J. Pharm., 173, 233-242, 2001.
- Vergote, G.J., Kiekens, F., Wax beads as cushioning agents during the compression of coated diltiazem pellets. Eur. J. Pharm. Biopharm. 17(3), 145-151, 2002.
- Wade A. and Weller P.J. 694, A joint publication of american pharmaceutical association and the pharmaceutical press: washington. Page no..134-137, 53-55, 275-278, 21-23.
- Wagner, K.,. Aqueous polymer dispersions for extended release dosage forms. Freie Universitaet Berlin. 2002.
- Wagner, K.G., Krumme, M., Beckert, T.E., Schmidt, P.C., Development of disintegrating multiple-unit tablets on a high-speed rotary tablet press. European Eur. J. Pharm. Biopharm. 50(2), 285-292. 2000.
- Wagner, K.G., Krumme, M., Beckert, T.E., Schmidt, P.C., Development of disintegrating multiple-unit tablets on a high-speed rotary tablet press. Eur. J. Pharm. Biopharm., 50, 285-291. 2000.

- Wagner, K.G., Krumme, M., Schmidt, P.C., Investigation of the pellet-distribution in single tablets via image analysis. Eur. J. Pharm. Biopharm. 47(1), 79-85, 1999.
- Wagner, K.G., Krumme, M., Schmidt, P.C., Pellet-containing tablets. Examination of distribution and deformation behaviour. S.T.P. Pharma Sci., 10, 327-334, 2000.

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